

Figure 1: Metered Injection Pumping System for additzing resid fuels

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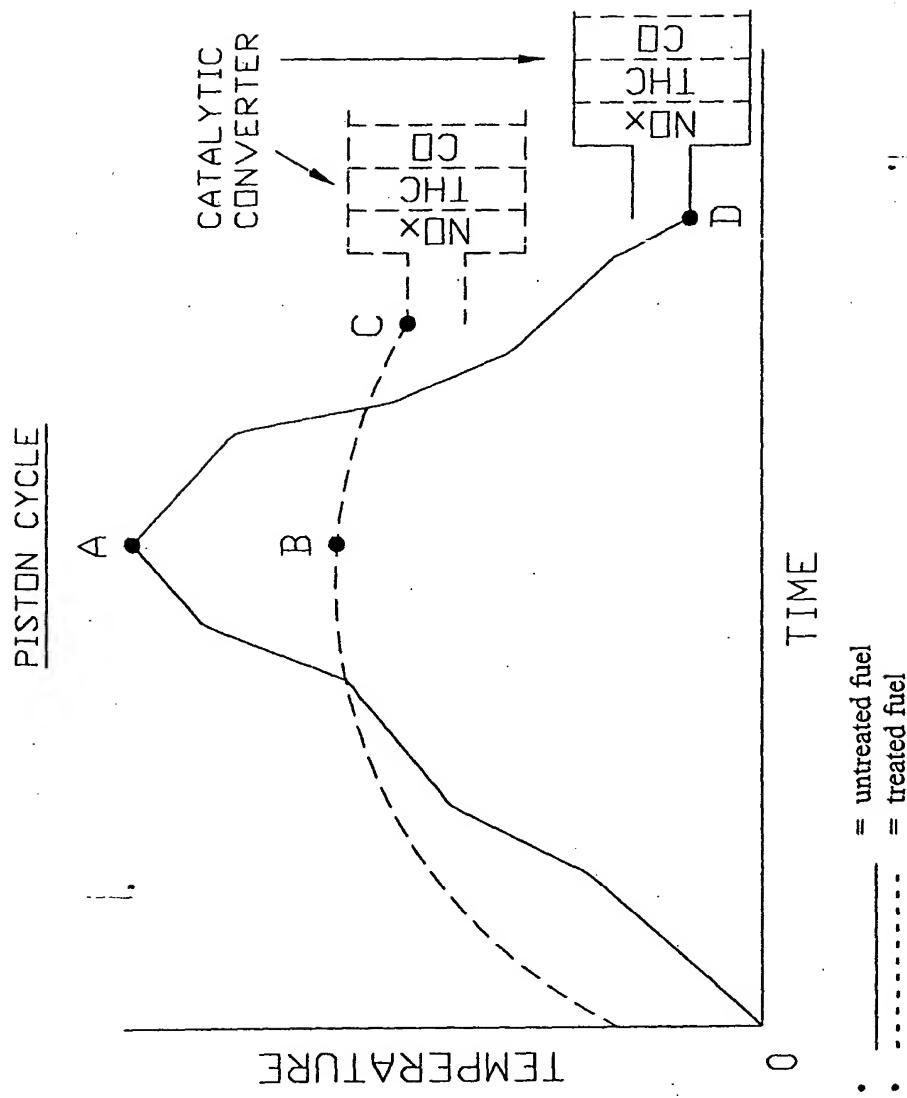
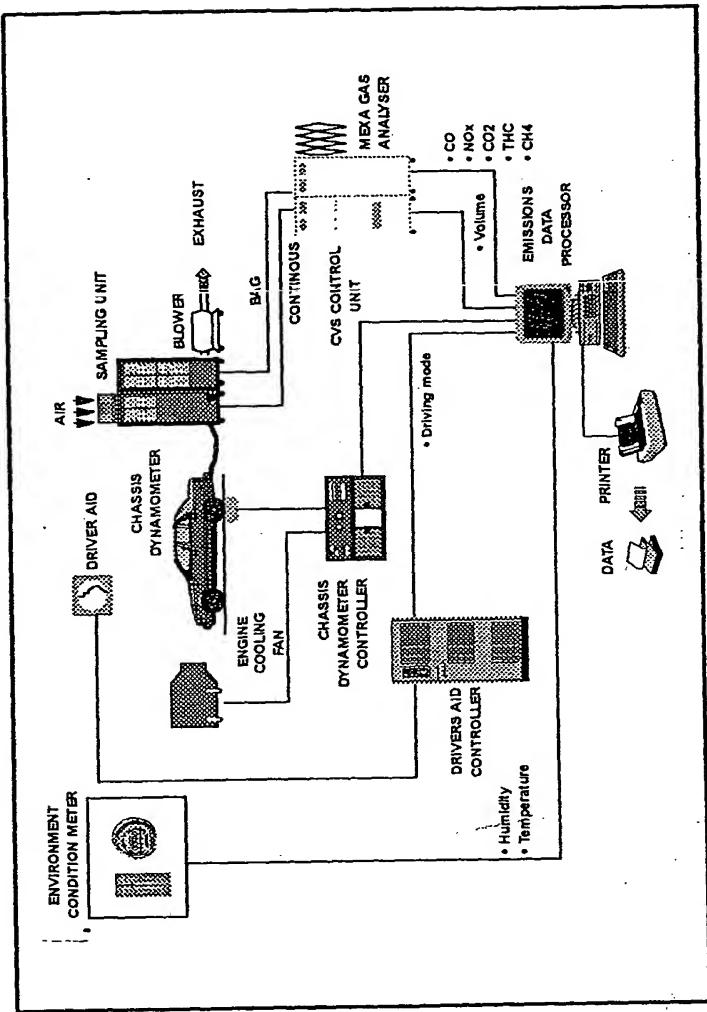


Figure 2: Hypothetical temperature versus time curve for the piston cycle of a gasoline-powered engine operating on untreated fuel and fuel treated with the OR-1 additive

• CO
• NOx
• CO2
• THC
• Volume
• CH4

Figure 3: Schematic illustrating the layout of the Vehicle Emissions Testing Laboratory located in Section 27, Selangor Darul Ehsan, Shah Alam, Malaysia.



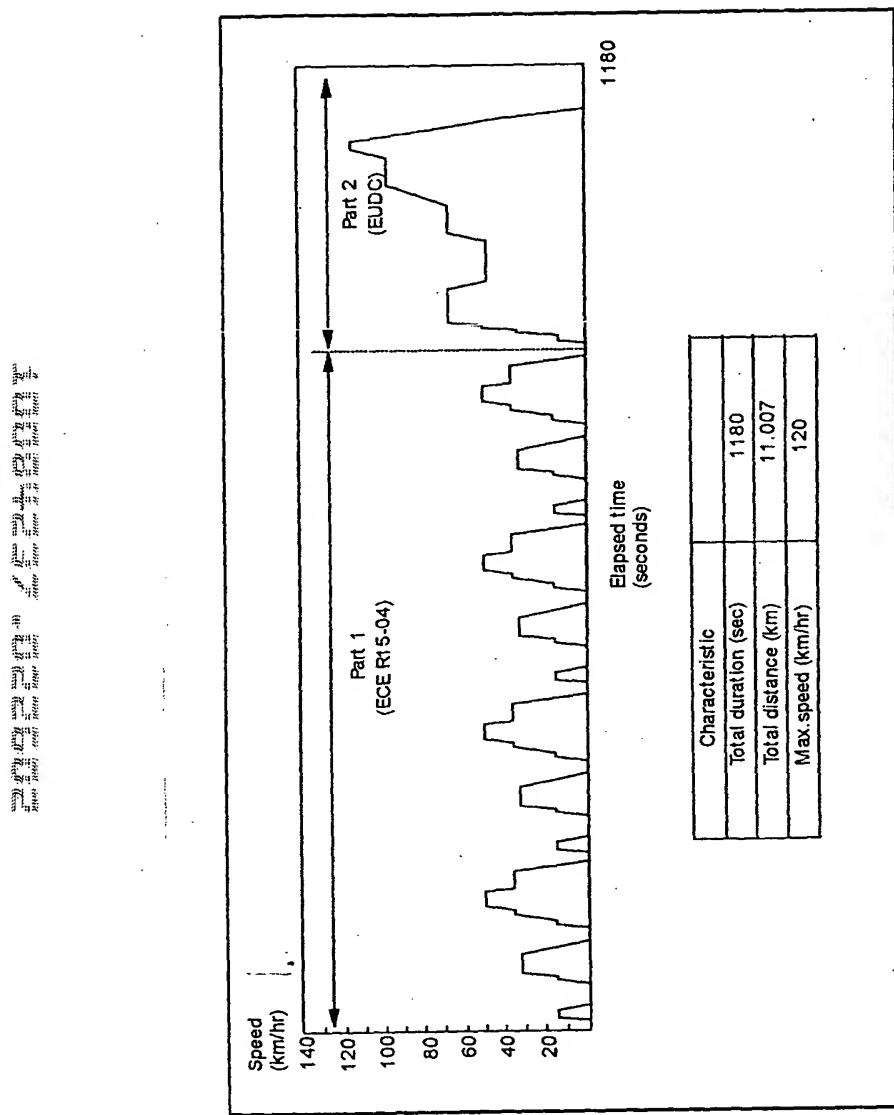


Figure 4: Diagram illustrating the European Emissions Standard ECE R15-04 plus EUDC Emissions Test Cycle

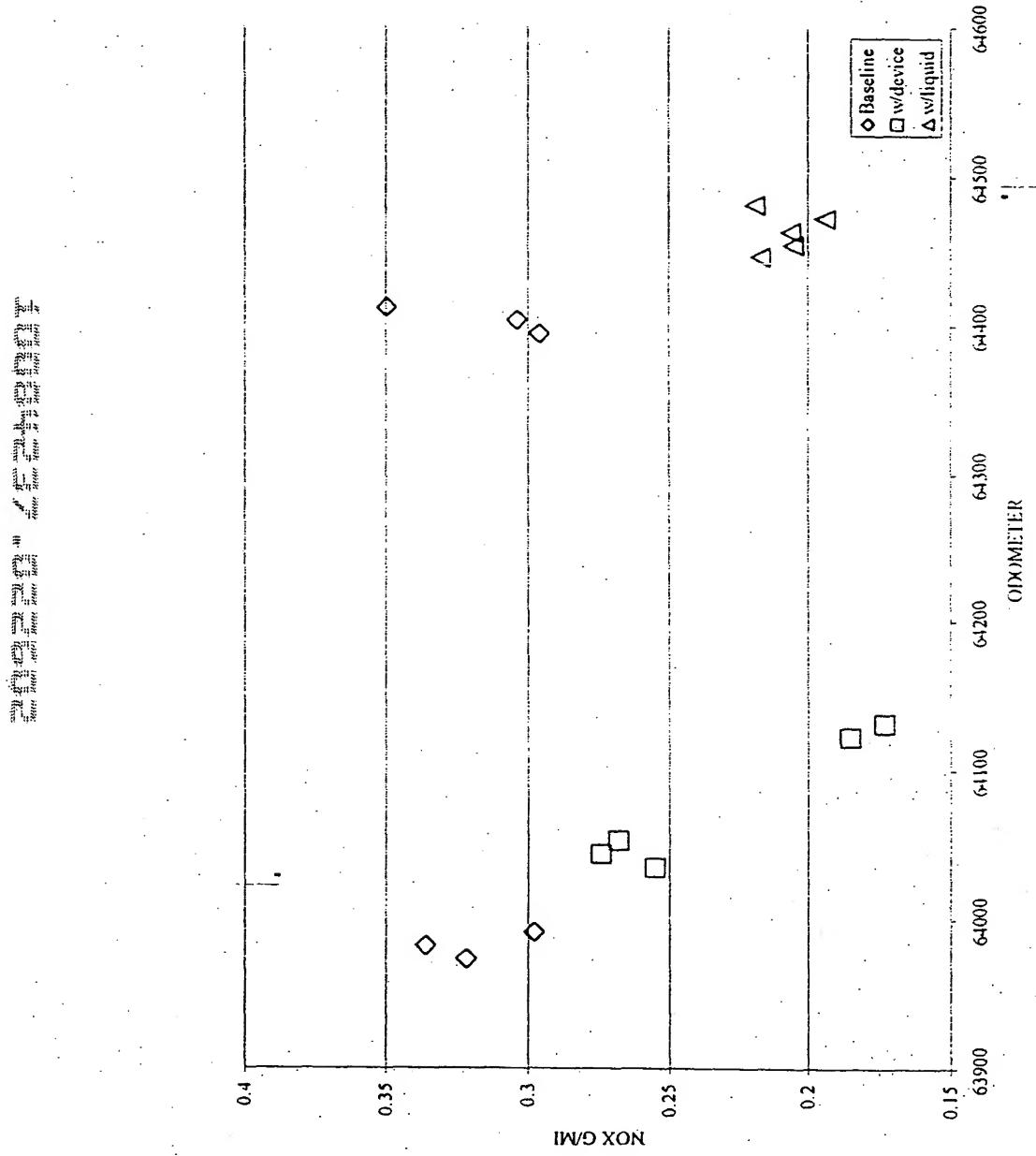


Figure 5: NO_x emissions as a function of odometer miles for a Ford Taurus

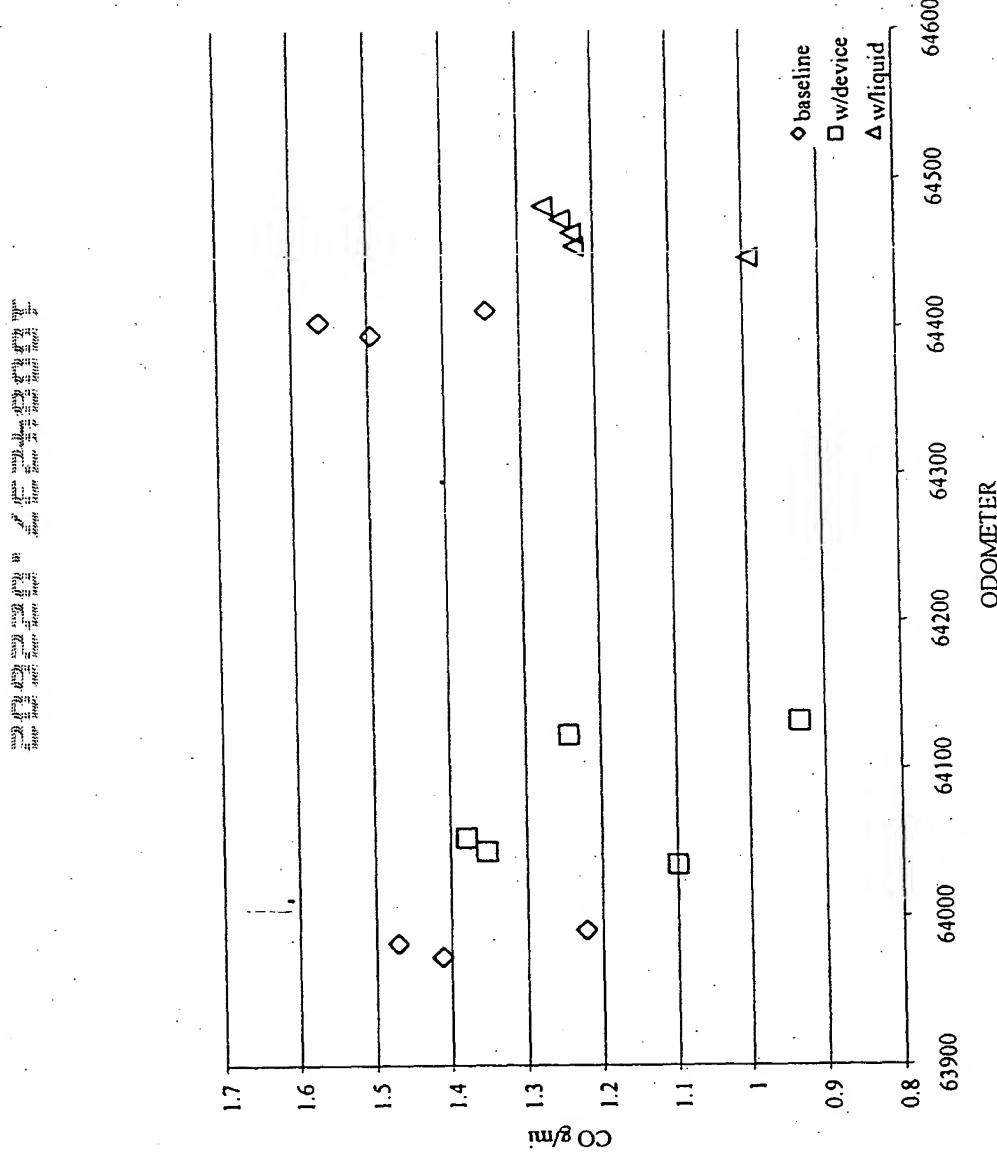


Figure 6: CO emissions as a function of odometer miles for a Ford Taurus

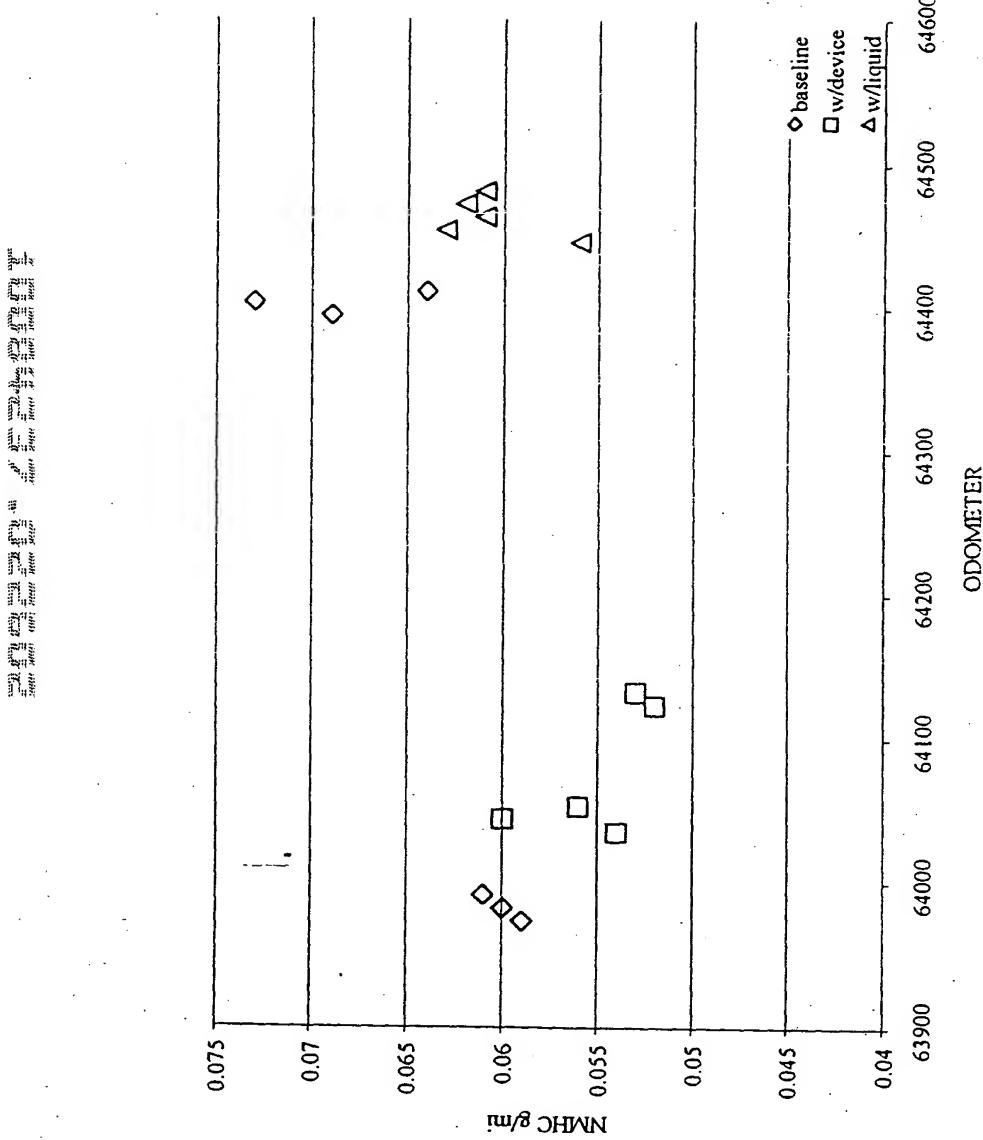


Figure 7: NMHC emissions as a function of odometer miles for a Ford Taurus

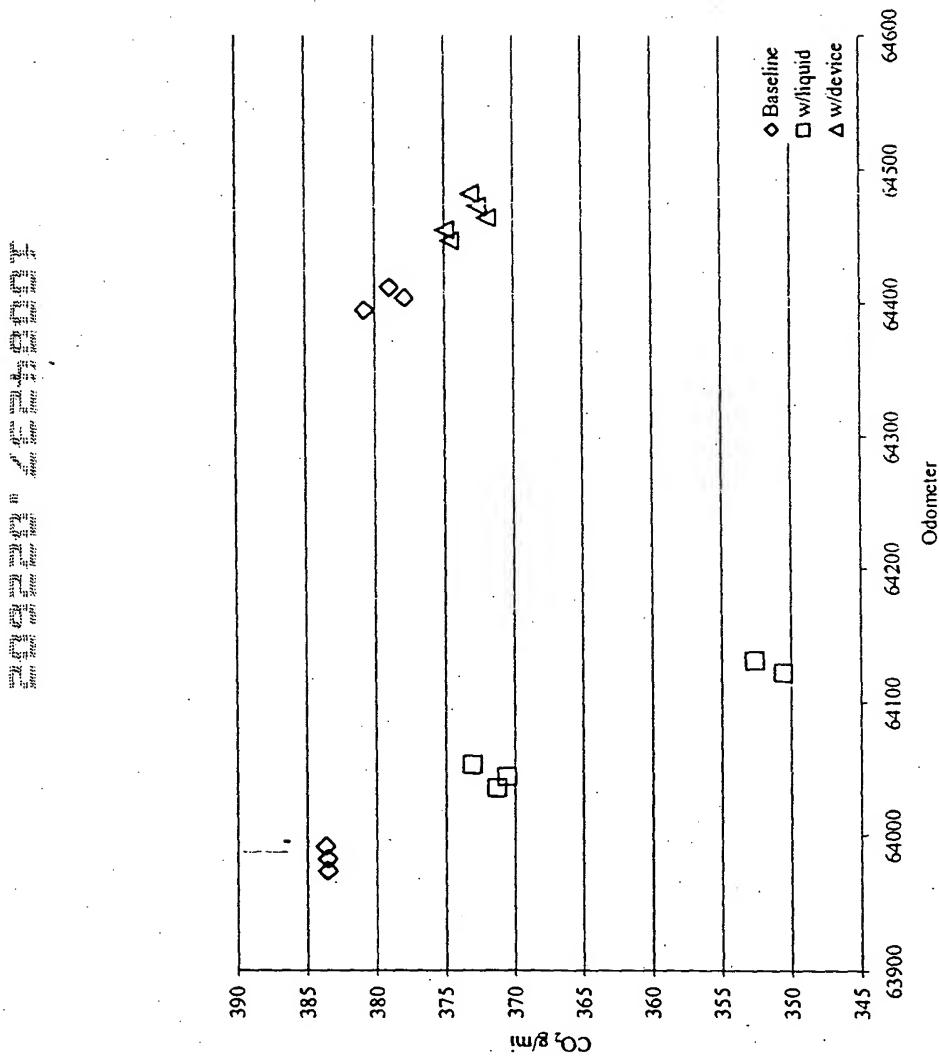


Figure 8: CO₂ emissions as a function of odometer miles for a Ford Taurus

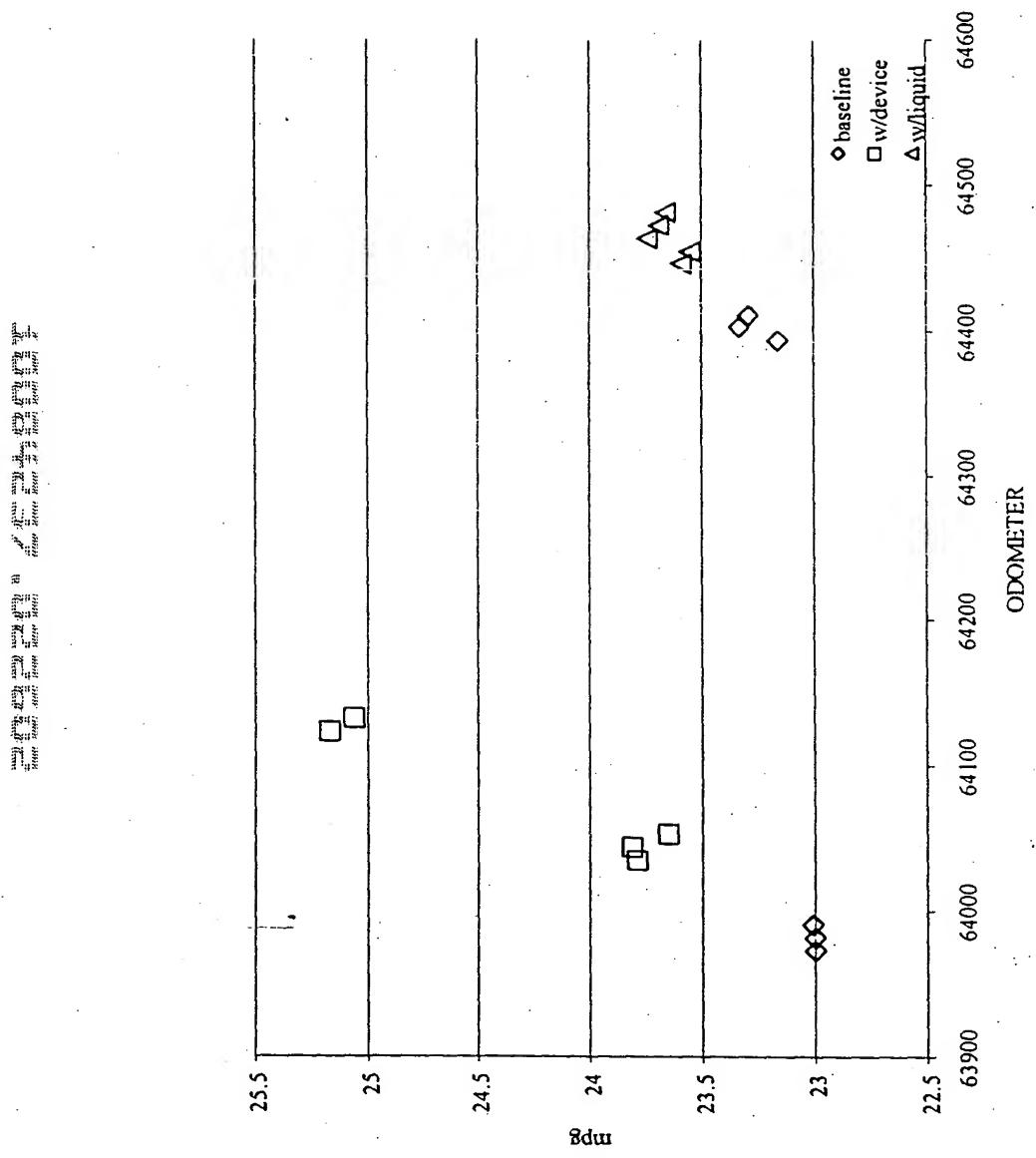


Figure 9: MPG fuel economy as a function of odometer miles for a Ford Taurus

101000 101200 101400 101600 101800 102000 102200 102400

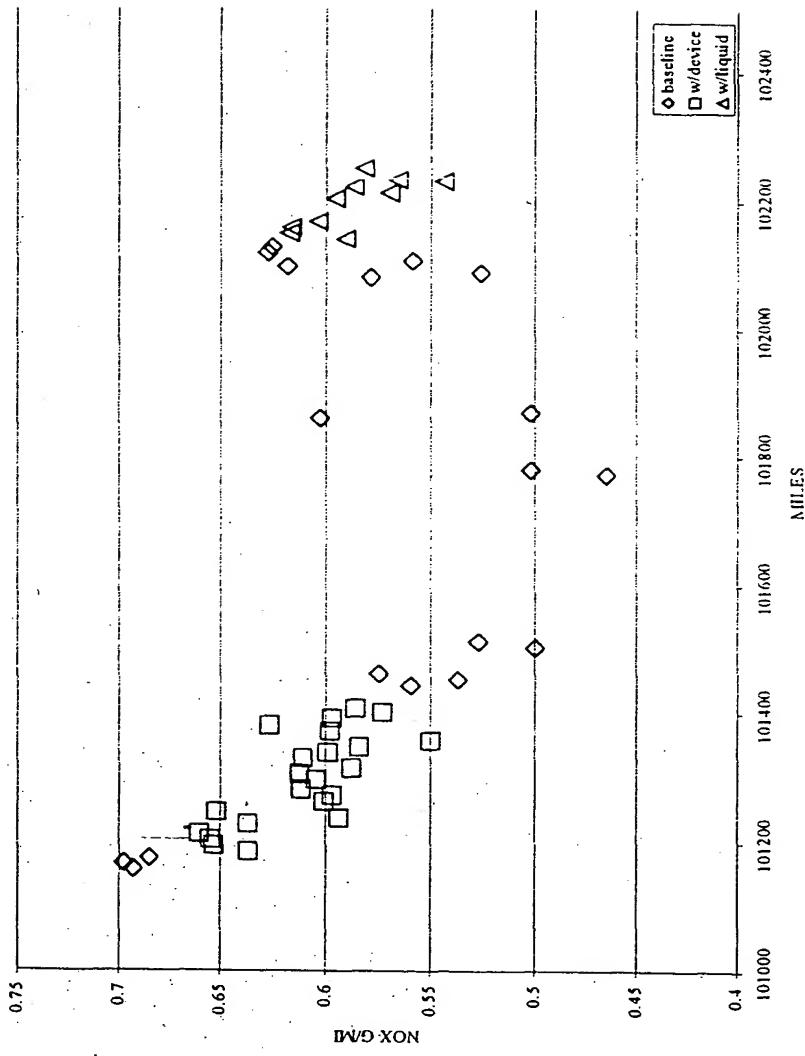


Figure 10: NO_x emissions as a function of odometer miles for a Honda Accord

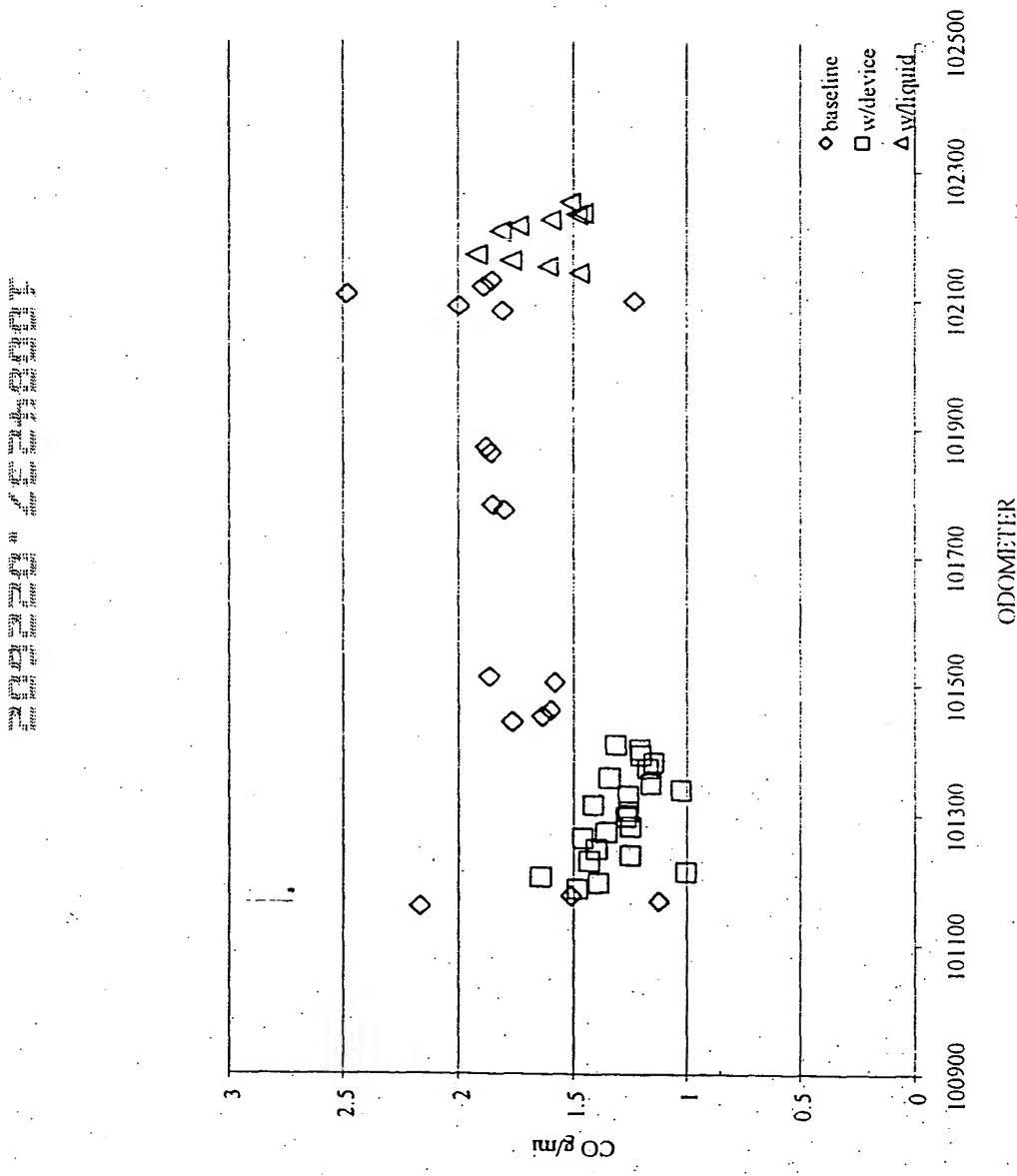


Figure 11: CO emissions as a function of odometer miles for a Honda Accord

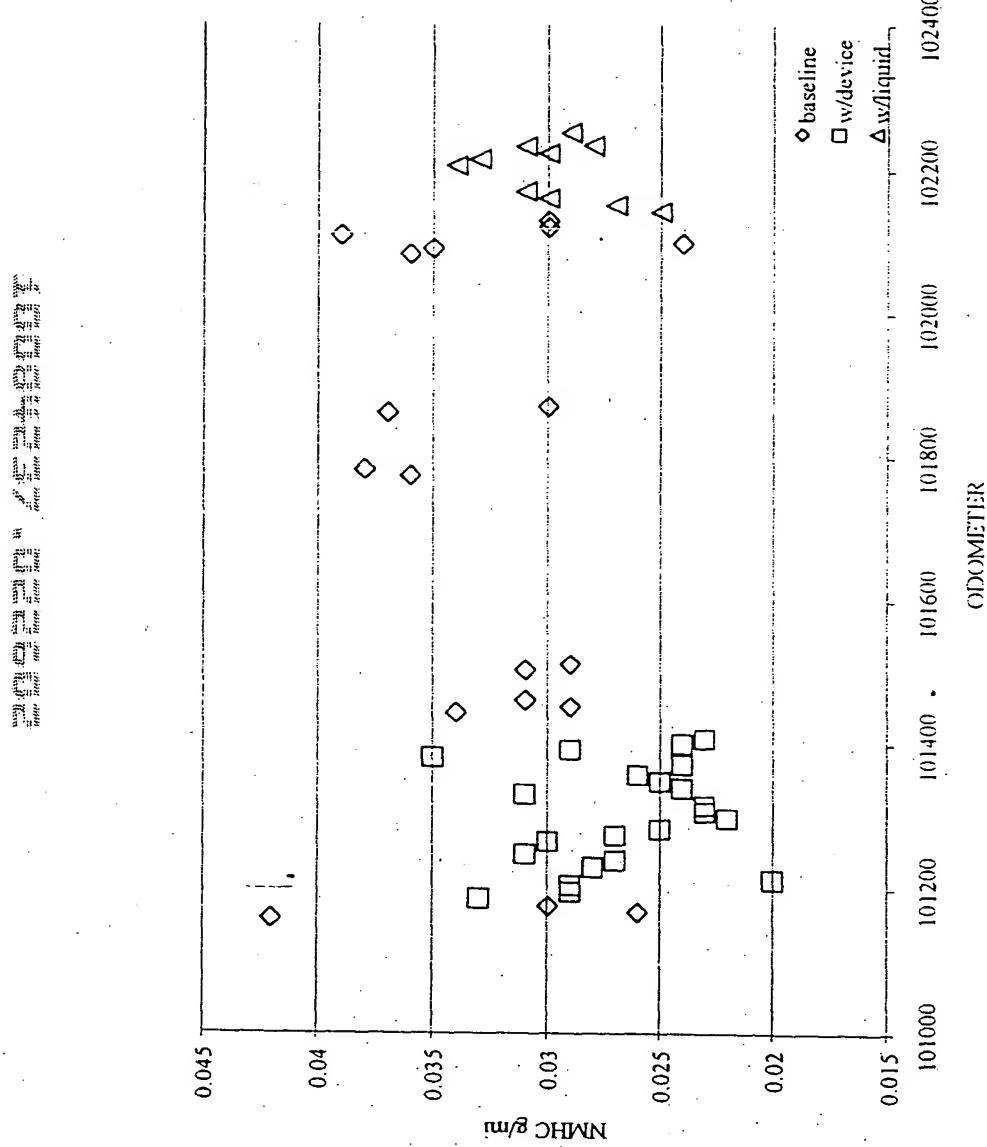


Figure 12: NMHC emissions as a function of odometer miles for a Honda Accord

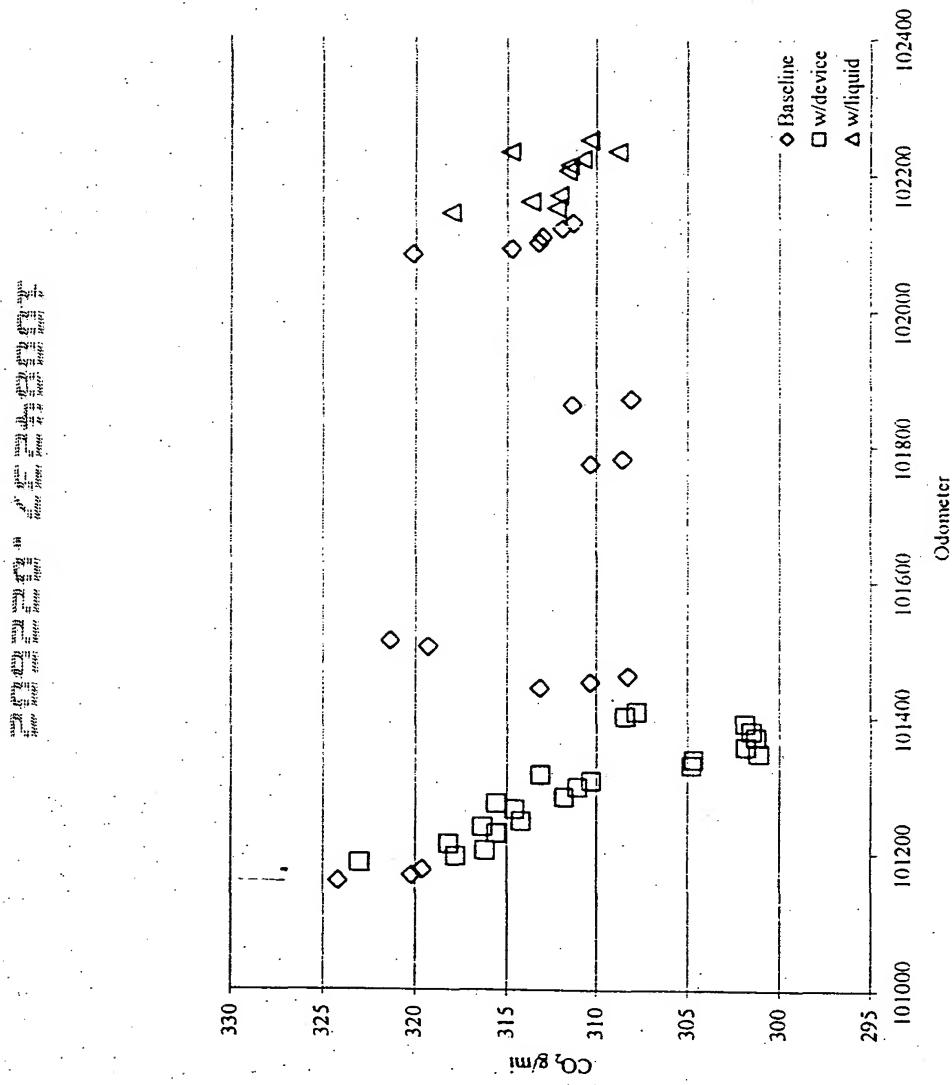


Figure 13: CO₂ emissions as a function of odometer miles for a Honda Accord

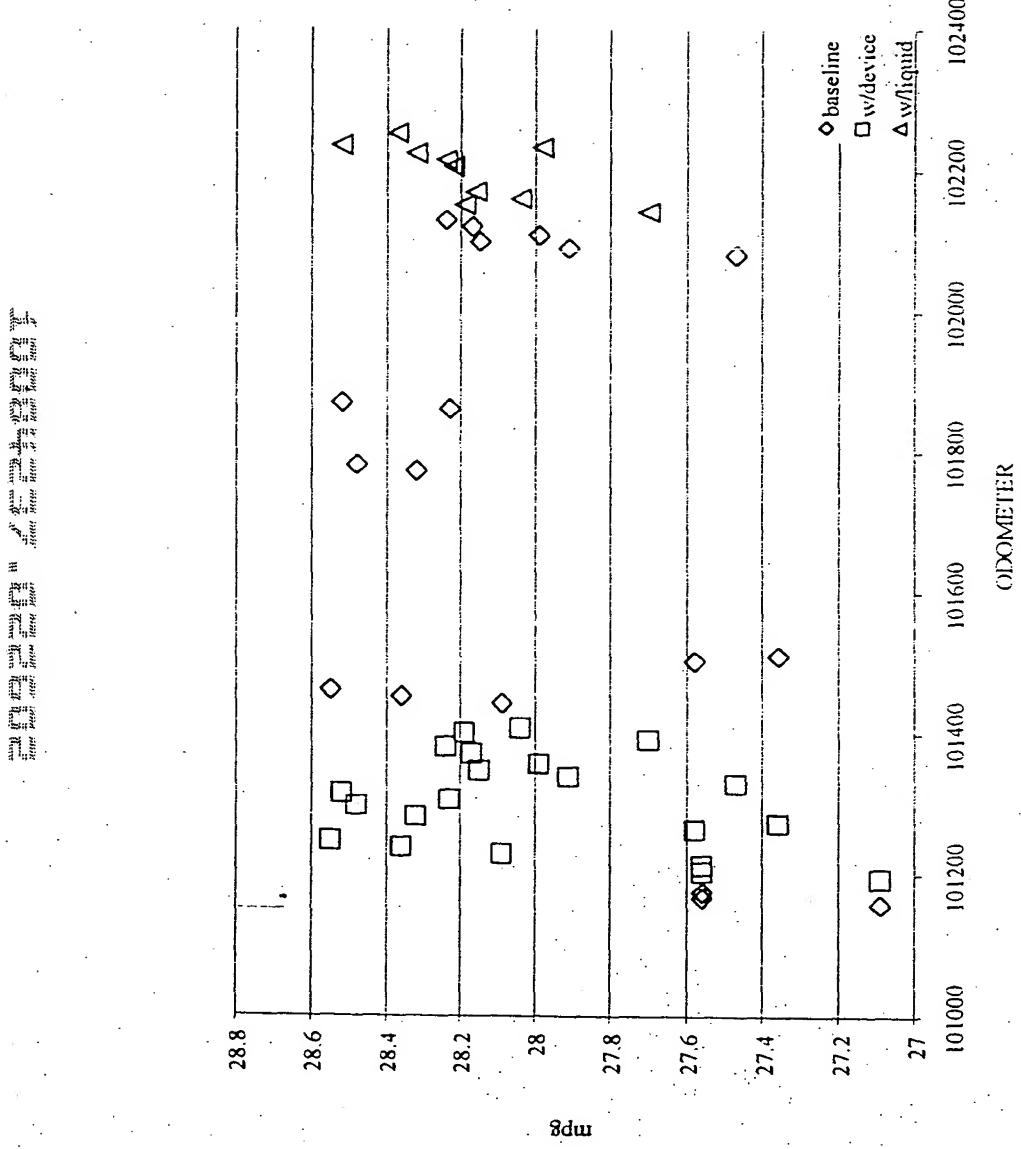


Figure 14: MPG fuel economy as a function of odometer miles for a Honda Accord

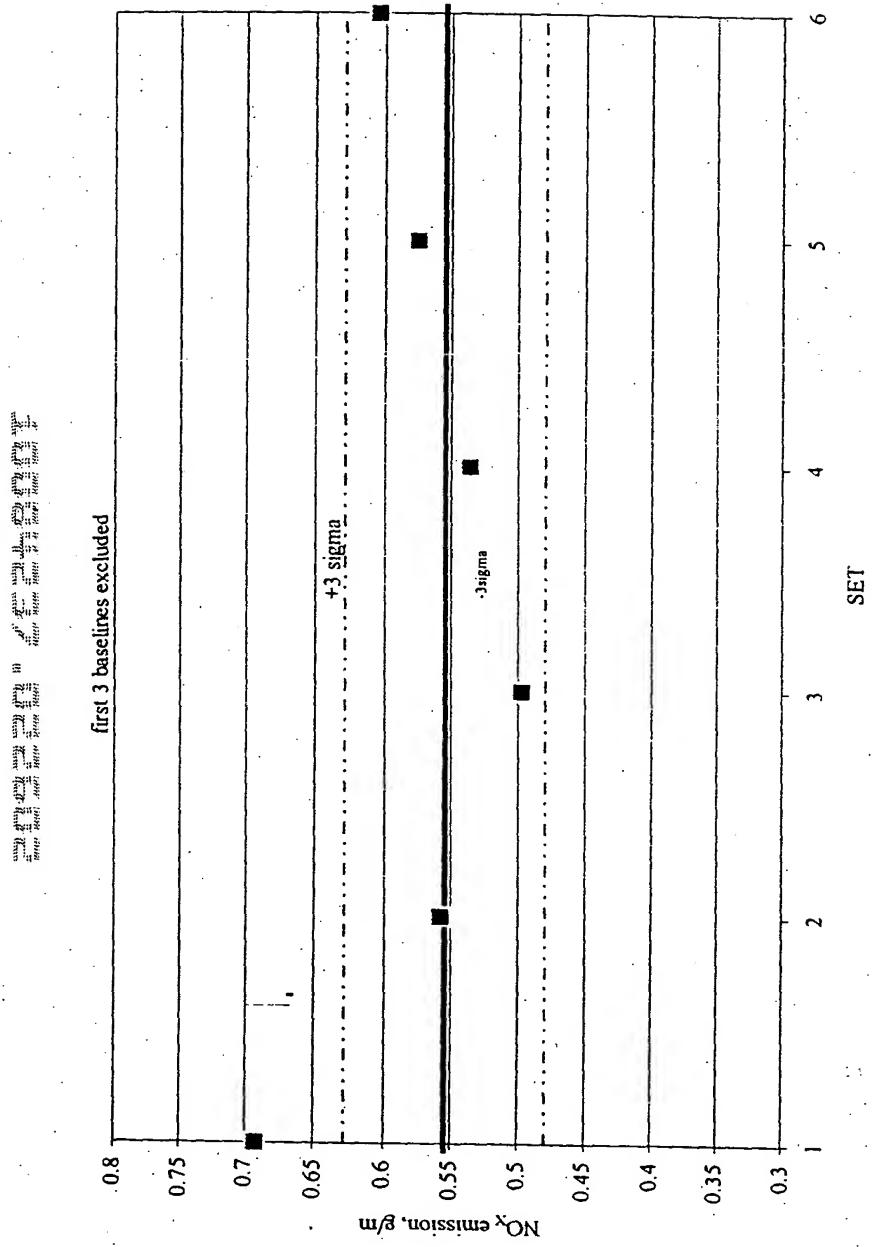


Figure 15: Shewhart Control Plot for NO_x in the Honda Accord with the first three baselines excluded

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

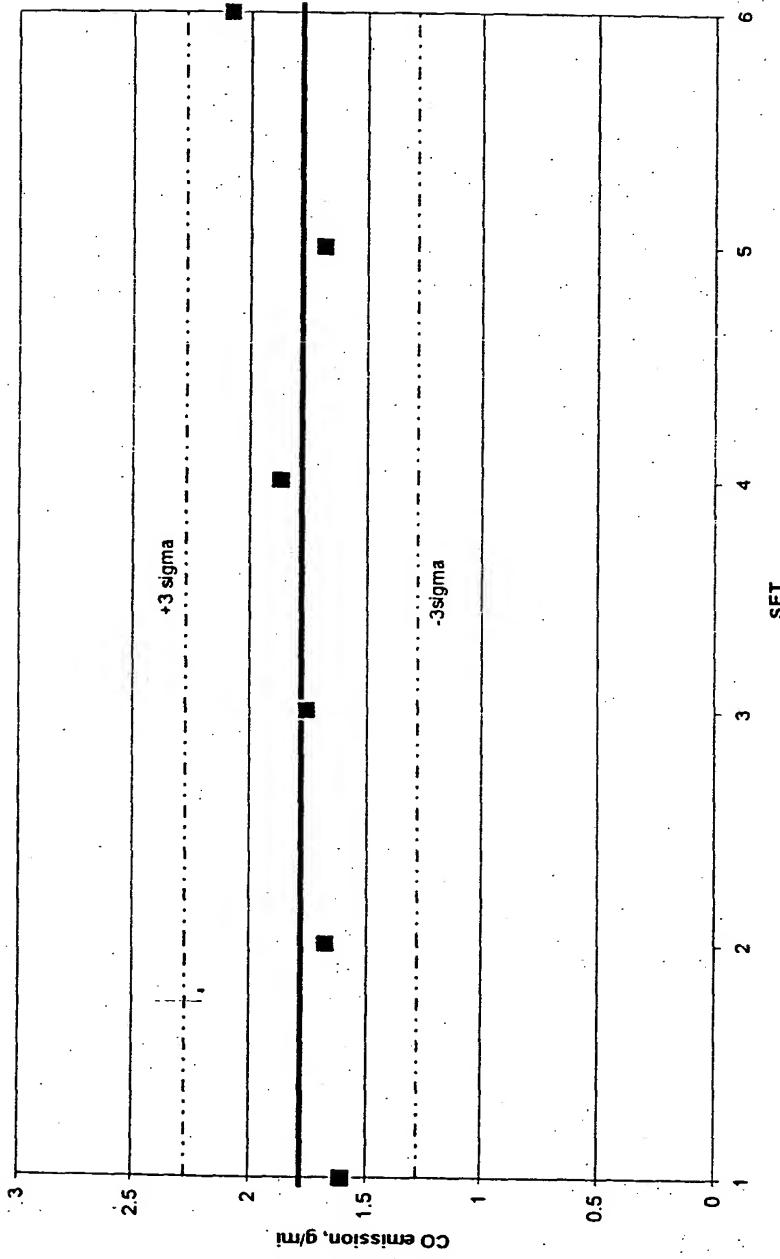


Figure 16: Shewhart Control Plot for CO in the Honda Accord with the first three baselines excluded

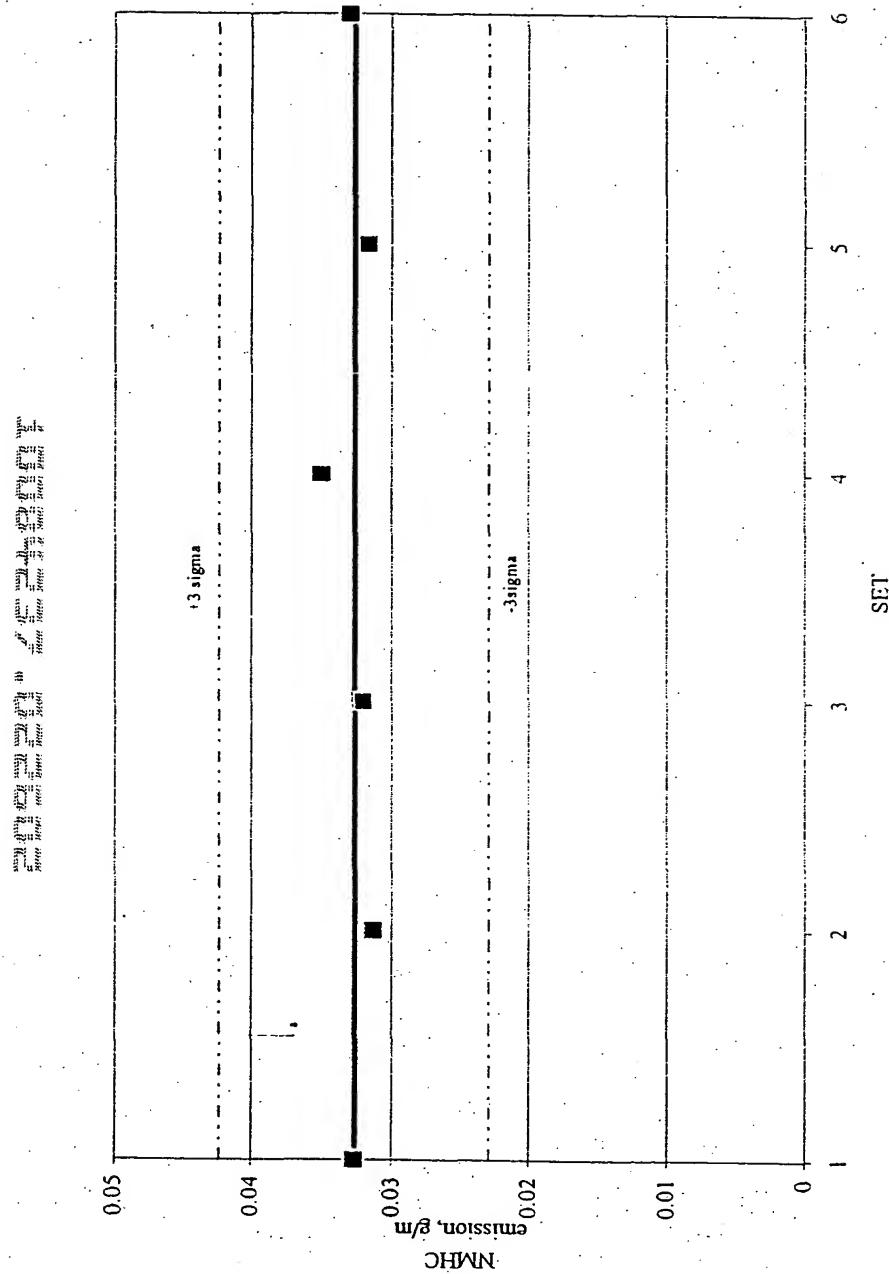


Figure 17: Shewhart Control Plot for NMHC in the Honda Accord with the first three baselines excluded

HOHDA

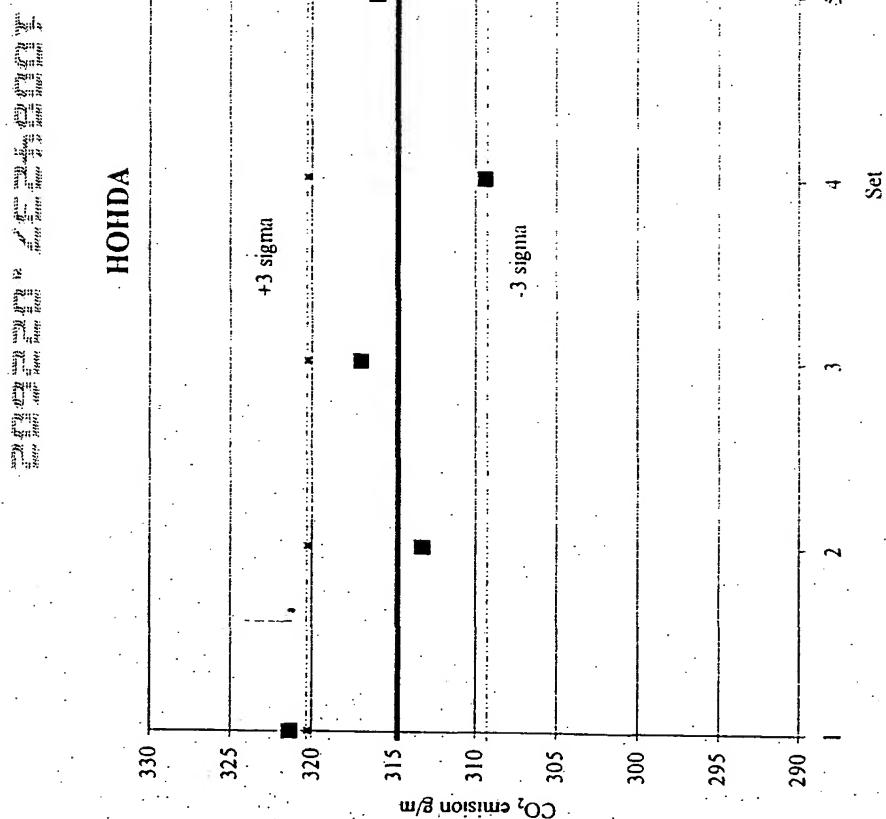


Figure 18: Shewhart Control Plot for CO₂ in the Honda Accord with the first three baselines excluded

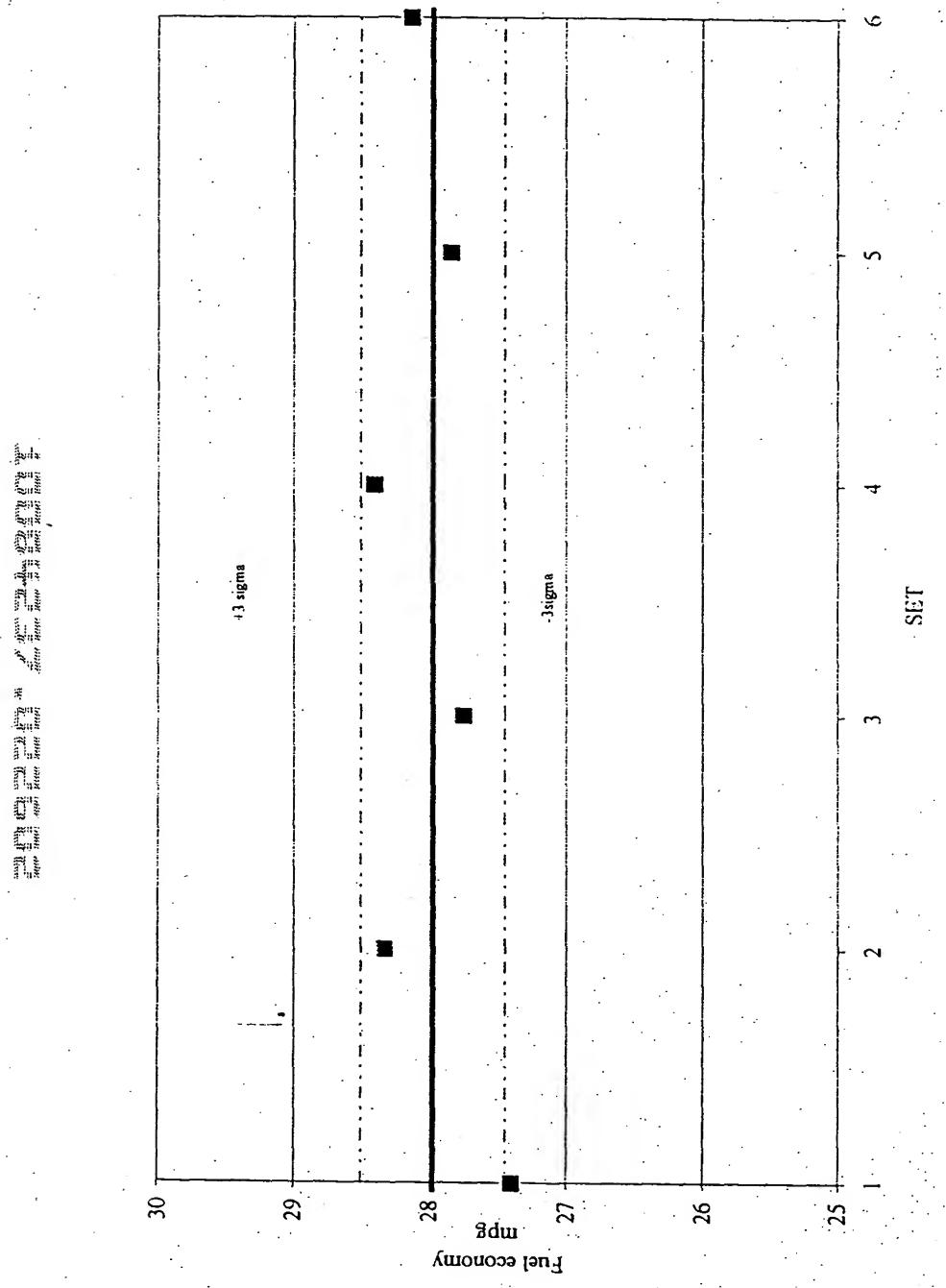


Figure 19 : Shewhart Control Plot for mpg fuel economy in the Honda Accord with the first three baselines excluded

